



Sheet 1 of 10

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	1	Andrews, T. et al., "Combining Language and Database Advances in an Object-Oriented Development Environment", <i>OOPSLA Proceedings</i> , October 4-8, 1987, 430-440	
	2	Beard, et al., "Multilevel and Graphical Views of Metadata", <i>Research and Technology Advances in Digital Libraries</i> , 1998, 256-265,	
	3	Beitner, N.D. et al., "Multimedia Support and Authoring in Microcosm: An Extended Model", <i>Department of Electronics and Computer Science</i> , University of Southampton, 12 pages	
	4	Berg, C., How Do I Create Persistent Java Objects? <i>Dr. Dobb's Journal</i> , 1997, 22(4), 98-101	
	5	Bhattacharya, S. et al., "Coordinating Backup/Recovery and Data Consistency Between Database and File Systems", <i>International Conference on Management of Data and Symposium on Principles of Database Systems, Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data</i> , 2002, 500-511	
	6	Biliris, A., "The Performance of Three Database Storage Structures for Managing Large Objects", <i>ACM SIGMOD</i> , 1992, 276-285	
	7	Booch, G. Benjamin/Cummings Publishing Co, "Object-Oriented Analysis and Design with Applications", 1994, 155, 156, 179-183	
	8	Bracchi et al., "Binary Logical Associations in Data Modelling", <i>Modelling in Data Base Management Systems G.M. Nijssen, (ed)</i> ; North Holland Publishing Company: 1976, 125-147	
	9	Buneman, P. et al., Inheritance and Persistence in Database Programming Languages, <i>ACM</i> , 1986, 4-15	
	10	Chien, A.A., "Concurrent Aggregates (CA) - Design and Experience with a Concurrent Object - Oriented Language Based on Aggregates", <i>J. Parallel and Distributed Computing</i> , 1995, 25(2), 174-196	
<b>EXAMINER</b>	<i>SRpank</i>		<b>DATE CONSIDERED</b> <i>8/19/06</i>

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>SRP</i>	11	Chrysostomidis, Chrysosimos, et al. "Geometric Modeling Issues in Computer Aided Design of Marine Structures", <i>MTS Journal</i> , 22(2) pp 15-33	
	12	"Computervision Launches Design Automation Development Platform for Windows", <i>PR Newswire</i> , Financial News, Jan. 10, 1995	
	13	D'Andrea, A. et al., "Unisql's Next Generation Object-Relational Database Management System", <i>ACM SIGMOD Record</i> , September 1996, 25(2), 70-76	
	14	Darby, C., "Object Serialization in Java 1.1. Making Objects Persistent, <i>WEB Techniques</i> , 1997, 2(9), 55, 58-59	
	15	"Developer's Guide to Apple Data Detectors-For Version 1.0.2", ©Apple Computer, Inc., 1997, 1-34	
	16	Dietrich, Walter C., Jr., et al., "TGMS: An Object-Oriented System for Programming Geometry", <i>Software-Practice and Experience</i> , Oct 1989, 19(10), 979-1013	
	17	Dobashi, Y. et al, "Skylight for Interior Lighting Design", <i>Computer Graphics Forum</i> , 1994, 13(3), C85-C96	
	18	Dorsch, Jeff, "Accel Signs with IBM to Buy Altium PCB Unit-Accel Technologies Acquires the Assets to Altium's P-CAD Business Unit", <i>EDA Licensing, Electronic New</i> , Jan.16, 1995, 4 pages	
	19	Fegaras, Leonidas, "Optimizing Object Queries Using an Effective Calculus", <i>ACM Transactions on Database Systems</i> , Dec 2000, 25(4), 457-516	
	20	Findler, R.B. et al., Contract Soundness for Object-Oriented Languages ACM Conference on Object-Oriented Programming Systems, Languages, and Applications, <i>OOPSLA</i> , 2001, 15 pages	
	21	Foley et al., Computer Graphics: Principles and Practices, Second Edition, Addison-Wesley Publishing Company, 1990, Ch. 5 and 9, pp. 201-283	
EXAMINER	<i>SRP/pankaj</i>		DATE CONSIDERED <b>8/19/06</b>

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>22</b>	Friis, A.-Christensen, et al. "Geographic Data Modeling: Requirements and Research Issues in Geographic Data Modeling," November 2001, <i>Proceedings of the 9th ACM International Symposium on Advances in Geographic Information Systems</i> , 2-8	
	<b>23</b>	Fuh, Y-C. et al, "Implementation of SQL3 Structured Types with Inheritance and Value Substitutability", <i>Digital Symposium Collection</i> , 2000, Abstract only, 2 pages, <a href="http://www.acm.org/sigmod/disc/p_implementationoyostw.htm">www.acm.org/sigmod/disc/p_implementationoyostw.htm</a>	
	<b>24</b>	Garret, J.H., Jr. et al, "An Object Oriented Environment for Representing Building Design and Construction Data", <i>Advanced Construction Technology Center</i> , June 1989, Document No. 89-37-04, 1-34	
	<b>25</b>	Godoy Simões, M. et al, "A RISC-Microcontroller Based Photovoltaic System for Illumination Applications", <i>APEC 2000. Fifteenth Annual IEEE Applied Power Electronics Conference and Exposition</i> , February 6-10, 2000, 2, 1151-1156	
	<b>26</b>	Goscinski, A. "Distributed Operating Systems The Logical Design", <i>Addison-Wesley</i> , 1991, 306-313	
	<b>27</b>	Harrison, C.J. et al., "Structure Editors: User-Defined Type Values and Type Inference", <i>IEEE</i> , 2000, 241-247	
	<b>28</b>	Haverlock, K., "Object Serialization, Java, and C++", <i>Dr. Dobb's Journal</i> , 1998, 23(8), 32, 34, 36-37	
	<b>29</b>	Hay, David C, "Data Model Patterns: Convention of Thought", (Dorset House Publishing, New York, NY 1996, 47-67, 235-259	
	<b>30</b>	Hernandez, M.A. et al, "The Merge/Purge Problem for Large Databases, International Conference on Management of Data and Symposium on Principles of Database Systems", <i>Proceedings of the 1995 ACM SIGMOD International Conference on Management of Data</i> , 1995, 127-138	
	<b>31</b>	Hsiao, H.I. et al., "DLFM: A Transactional Resource Manager", <i>SIGMOD, Proceedings of the 2000 ACM SIGMOD International Conference on Management of Data</i> , 2000, 518-528	
<b>EXAMINER</b>	<i>SRpancale</i>		<b>DATE CONSIDERED</b> <i>8/19/06</i>

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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>SQP</i>	32	Kaneko, K. et al, "Design of 3D CG Data Model of Move Animation Database System", <i>Advanced Database Research and Development Series, vol. 3, Proceedings of the Second Far-East Workshop On Future Database Systems, 1992</i> , 364-372
	33	Kaneko, K. et al., Towards Dynamics Animation on Object-Oriented Animation Database System Move", <i>Advanced Database Research and Development Series, vol. 4, Database Systems for Advanced Applications 1993</i> , 3-10
	34	Katz, R.H., "Toward a Unified Framework for Version Modeling in Engineering Databases", <i>ACM Computing Surveys</i> , 1990, 22(4), 375-408
	35	Kawabe, S. et al, "A Framework for 3D Modeling Constraint-Based Description and Non-Manifold Geometric Modeling", <i>A Collection of Contributions based on Lectures Presented at the 2d Toyota Conference, Organization of Engineering Knowledge for Product Modelling in Computer Integrated Manufacturing</i> , Japan, Oct. 2-5, 1988, 325-357
	36	Kempfer, L., "CAD Jumps on Windows 3.1 Bandwagon", <i>Computer Aided Engineering</i> , 1993, 24-25
	37	Khan, L. et al, "A Performance Evaluation of Storing XML Data in Relational Database Management Systems, <i>WIDM, 2001</i> , 31-38
	38	Khoshafian, S. et al, "Object Identify", <i>OOPSLA'86, 1986</i> , 21, 406-416
	39	Kiesling, R., "ODBC in UNIX Environments", <i>Dr. Dobb's Journal</i> , December 2002, 27(12), 16-22
	40	King et al, "TriStarp- An Investigation into the Implementation and Exploitation of Binary Relational Storage Structures", <i>Proc. 8.sup.th BNCOD(British National Conference On Data Bases)</i> , pp. 64-84 (York 1990).
	41	Krouse, J.K., "Geometric Models for CAD/CAM", <i>Machine Design</i> , July 24, 1990, 99-105
	42	LeBlanc, Andrew R., et al, "Design Data Storage and Extraction Using Objects", <i>Concurrent Engineering: Research and Applications</i> , 1993, 1, 31-38

EXAMINER

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DATE CONSIDERED

8/19/06

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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>SRP</i>	43	Leontiev, Y. et al, "On Type Systems for Object-Oriented Database Programming Languages", <i>ACM Computing Surveys</i> , December 2002, 34(4), 409-449	
	44	Lim, J.B. et al, "Transaction Processing in Mobile, Heterogeneous Database Systems", <i>IEEE Trans. on Knowledge and Data Engineering</i> , 2002, 14(6), 1330-1346	
	45	Mallet, S. et al., "Myrtle: A Set-Oriented Meta-Interpreter Driven by a Relational Trace for Deductive Databases Debugging", <i>Lecture Notes in Computer Science</i> , 1999, 1559, 328-330	
	46	Mariani, J. A., Oggetto: "An Object Oriented Database Layered on a Triple Store", <i>The Computer Journal</i> , 1992, 35(2), 108-118	
	47	McMahon, L.E, "SED-A Non-Interactive Text Editor", Bell Laboratories, August 15, 1978, 10 pages	
	48	"Mechanical Design Software (Buyers Guide)", <i>Computer-Aided Engineering</i> , Dec 1993, 12(12), 32-36	
	49	Melton, J. et al, "SQL and Management of External Data", <i>SIGMOD Record</i> , March 2001, 30(1), 70-77	
	50	Mitchell, W.J., "The Logic of Architecture", <i>Massachusetts Institute of Technology</i> , 1990, 139-143	
	51	Navathe, S.B., "Evolution of Data Modeling for Databases," <i>Communications of the ACM</i> , September 1992, 35(9), 112-123	
	52	Nelson, M. et al, "Generic Support for Caching and Disconnected Operation", <i>4th Workshop on Workstation Operating Systems</i> , Oct 1993, 61-65	
EXAMINER	<i>SRP</i>		DATE CONSIDERED <i>8/19/04</i>

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>SRP</i>	<b>53</b>	Nijssen, G.M. et al., "Conceptual Schema and Relational Database Design, A Fact Oriented Approach", <i>Department of Computer Science, University of Queensland, Prentice Hall</i> , 10-33, 42-43, 48-51, 156-170	
	<b>54</b>	Oracle 9i SQL Reference, Release 2 (9.2), March 2002, 13-89 to 13-90	
	<b>55</b>	Orenstein, J. et al, "Query Processing in the Object Store Database System", <i>ACM SIGMOD International Conference on Management of Data, June 1992</i> , 21(2), 403-412	
	<b>56</b>	Ottogalli, F.G. et al., "Visualisation of Distributed Applications for Performance Debugging", <i>Lecture Notes in Computer Science, January 2001</i> , 2074, 831-840	
	<b>57</b>	Pachet, et al, "A Combinatorial Approach to Content-Based Music Selection", <i>Multimedia Computing and Systems, Jun 7, 1999</i> , 457-462	
	<b>58</b>	Papiani, M. et al, "A Distributed Scientific Data Archive Using the Web, XML and SQL/MED", <i>SIGMOD Record, September 1999</i> , 28(3), 56-62	
	<b>59</b>	Powell, M., "Object, References, Identifiers, and Equality White Paper", (Jul. 2, 1993), <i>OMG TC Document 93.7.5</i> , 1-24	
	<b>60</b>	Prosise, J., "2-D Drafting: Why Pay More?", <i>PC Magazine: The Independent Guide to IBM-Standard Personal Computing</i> , 1993, 12(4), 255-289	
	<b>61</b>	Reiner, A. et al., "Benefits of X-based Three-Tier Client/Server Model with ESRI Applications", <i>Virtual Solutions</i> , 1995, 9 pages	
	<b>62</b>	Read, III, B.C., "Developing the Next Generation Cockpit Display System", <i>IEEE Aerospace and Electronics Systems Magazine</i> , 1996, 11(10), 25-28	
<b>EXAMINER</b>		<i>SRP and JR</i>	
		<b>DATE CONSIDERED</b> <i>8/19/06</i>	

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>February 10, 2004</b>	Group <b>2175</b>
		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>SRP</i>	<b>63</b>	Rouse, N.E., "CAD Pioneers are Still Trailblazing", <i>Machine Design</i> , Oct. 22, 1987, 59(25), 117-122	
	<b>64</b>	Roussopoulos, N. et al., "Using Semantic Networks for Data Base Management", <i>Proceedings of the 1<sup>st</sup> Supplemental VLDB Conference</i> , 1975, 144-172	
	<b>65</b>	Santos, J.L.T. et al., "Computer Aided Mechanical Engineering Design Environment for Concurrent Design Process", <i>Proceedings of the 1993 ITEC Workshop on Concurrent Engineering</i> , May 4-6, 1993, Simulation in Concurrent Engineering, 71-83	
	<b>66</b>	Seshadri, P., "Enhanced Abstract Data Types in Object-Relational Databases", <i>The VLDB Journal, The International Journal on Very Large Databases</i> , 1998, 7, 130-140	
	<b>67</b>	Simon, A.R., <i>Strategic Database Technology: Management for the Year 2000</i> , 1995, pp 6-9, 14-17, 55-57, Morgan Kaufmann Publishers	
	<b>68</b>	Sreenath, N., "A Hybrid Computation Environment for Multibody Simulation", <i>Mathematics and Computers in Simulation</i> , 1992, 121-140	
	<b>69</b>	Singhal, A. et al., "DDB: An Object Design Data Manager for VLSI CAD", <i>Association for Computer Machinery</i> , 1993, 467-470	
	<b>70</b>	Stevens, T., "Value in 3-D", <i>Industry Week</i> , January 8, 1995, 45-46	
	<b>71</b>	Stonebraker, M., "The Case for Partial Indexes", <i>SIGMOD Record</i> , 1989, 18(4), 4-9	
	<b>72</b>	Strickland, T.M., "Intersection of Relational and Object", <i>Proceedings of the AM/FM International Conference XVII</i> , March 14-17, 1994, 69-75	
<b>EXAMINER</b>	<i>SRP amm</i>		<b>DATE CONSIDERED</b> <i>8/19/06</i>

<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-3026/307009.01</b>	Application No. <b>10/776,370</b>
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		Confirmation No. <b>3201</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>SLP</i>	<b>73</b>	Sutherland, J. et al., "The Hybrid Object-Relational Architecture (HORA), An Integration of Object-Oriented and Relational Technology", <i>Applied Computing: States of the Art and Practice</i> , 1993, 326-333	
	<b>74</b>	Suzuki, H. et al., "Geometric Modeling for Modeling Products", <i>Proceedings of the Third International Conference on Engineering Graphics and Descriptive Geometry, July 11-16, 1988</i> , Vienna Austria, 2, 237-243	
	<b>75</b>	Sreekanth, U. et al., "A Specification Environment for Configuring a Discrete-Part Manufacturing System Simulation Infrastructure", <i>International Conference on Systems, Man and Cybernetics, October 17-20, 1993</i> , 1, 349-354	
	<b>76</b>	Taylor, R.H. et al., "An Integrated Robot System Architecture", <i>Proceedings of the IEEE, July 1983</i> , 71(7), 842-856	
	<b>77</b>	Varlamis I. et al., "Bridging XML-Schema and Relational Databases. A System for generating and Manipulating Relational Databases using Valid XML Documents", <i>DocEng '01, November 9-10, 2001</i>	
	<b>78</b>	Wilcox, J., "Object Databases-Object Methods in Distributed Computing", <i>Dr. Dobbs Journal, November 1994</i> , 19(13), 26-34	
	<b>79</b>	Watanabe, S., "Knowledge Integration for Architectural Design", <i>Knowledge-Based Computer-Aided Architectural Design</i> , 1994, 123-146	
	<b>80</b>	Waugh, A., "Specifying Metadata Standards for Metadata Tool Configuration", <i>Computer Networks and ISDN Systems</i> , 1998, 30, 23-32	
	<b>81</b>	Wold, E. et al., "Content-Based Classification, Search, and Retrieval of Audio", <i>IEEE Multimedia, IEEE Computer Society</i> , 1996, 3, 27-36	
	<b>82</b>	Yoshikawa, M. et al., "XRel: A Path-Based Approach to Storage and Retrieval of XML Documents Using Relational Databases", <i>ACM Transactional on Internet technology</i> , August 2001, 1(1), 110-141	
<b>EXAMINER</b>		<i>SRpanala</i>	
		<b>DATE CONSIDERED</b>	<i>8/19/06</i>

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	<b>Confirmation No.</b> <b>3201</b>	

## **U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
SNP	83	2002/0091702 A1	07/11/02	Mullins	707	100
	84	2002/0198891 A1	12/26/02	Li, et al.	707	102
	85	5,900,870	05/04/99	Malone, et al.	345	333
	86	6,047,291	04/04/00	Anderson, et al.	707	103
	87	6,108,004	08/22/00	Medl	345	346
	88	6,112,024	08/29/00	Almond, et al.	395	703
	89	6,199,195 B1	03/06/01	Goodwin, et al.	717	1
	90	6,338,056 B1	01/08/02	Dessloch, et al.	707	2
	91	6,370,541 B1	04/09/02	Chou, et al.	707	103
	92	6,519,597 B1	02/11/03	Cheng, et al.	707	10
	93	6,556,983 B1	04/29/03	Altschuler, et al.	706	55
	94	6,578,046 B2	06/10/03	Chang, et al.	707	103
	95	6,772,178 B2	08/03/04	Mandal, et al.	707	204
	96	2002/0152422 A1	10/17/02	Sharma, et al.	714	13

## **FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document No.	Date	Country	Translation	
				YES	NO
EXAMINER	80 Panay		DATE CONSIDERED	8/19/06	

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**U. S. PATENT DOCUMENTS**

<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>
<i>SRP</i>	97	6,671,757 B1	12/30/03	Multer, et al.	710	100
	98	6,757,696 B2	06/29/04	Multer, et al.	707	201
	99	6,694,336 B1	02/17/04	Multer, et al.	707	201
	100	6,738,789 B2	05/18/04	Multer, et al.	707	201
	101	2002/0143521	10/03/02	Call, Charles G.	704	1
	102	6,477,564 B1	11/05/02	Freyssinet, et al.	709	202
	103	2003/0158839	08/21/03	Faybishenko, et al.	707	3

**FOREIGN PATENT DOCUMENTS**

<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>	
					<b>YES</b>	<b>NO</b>
<b>EXAMINER</b>	<i>SRP amcl</i>			<b>DATE CONSIDERED</b>	<i>8/19/06</i>	